

# XP-002183763

AN - 1992-014295 [02]

A - [001] 003 014 021 023 030 034 04- 041 049 050 051 053 055 056 060 062  
064 074 075 076 077 081 085 090 097 145 210 211 212 231 237 239 250  
256 260 268 27& 28& 304 315 316 324 325 355 385 393 397 402 414 423  
436 51& 51- 53& 532 533 534 535 54& 540 541 548 549 57& 59& 597 600  
609 679 681

AP - JP19900064779 19900315

CPY - KAOS

DC - A14 A93 G04

DR - 0437-U

FS - CPI

IC - C09D5/34 ; C09D127/12

KS - 0007 0036 0210 0231 0306 0412 0495 0503 0531 0565 0601 0971 2105 2116  
2122 2123 2318 2370 2375 2393 2504 2569 2608 2609 2686 3042 3152 3243  
3249 3251 3252 3255

MC - A04-E10 A07-B03 A12-R08 G04-B02

PA - (KAOS ) KAO CORP

PN - JP3265670 A 19911126 DW199202 000pp

PR - JP19900064779 19900315;

XA - C1992-006430

XIC - C09D-005/34 ; C09D-127/12

AB - J03265670 The filler comprises fluorine contg. resin watery dispersion.

- The watery dispersion is of resin particles with double layer structure in which the shell part comprises the fluorine contg. resin. The dispersion is obtained by polymerisation of a vinyl monomer in the presence of watery emulsion of a fluorine contg. resin comprising 5-95 wt.% of a fluorine contg. monomer unit.
- USE/ADVANTAGE - The filler provides improved adhesivity, water and oil resistivity and protects against staining on tiles.
- In an example, 1H,1H,2H,2H-heptafluoro decylmethacrylate, butylmethacrylate and acrylic acid were copolymerised in the ratio of 50/36/14 by wt. in methylethylketone. After neutralisation of the product with triethylamine and after adding water, methylethylketone was removed in vacuo to obtain emulsion. Styrene and 2-ethylhexylacrylate were polymerised in the presence of the emulsion to obtain the dispersion. The dispersion and white cement were mixed to make the joint filler which showed anti-staining and water and oil repellency for tile filler of a bathroom. (3pp Dwg.No.0/0)

AW - GROUT

AKW - GROUT

IW - BATHROOM TILE JOINT FILL ADHESIVE COMPRISE WATER DISPERSE DOUBLE LAYER  
FLUORO RESIN PARTICLE MIX WHITE CEMENT AVOID STAIN

IKW - BATHROOM TILE JOINT FILL ADHESIVE COMPRISE WATER DISPERSE DOUBLE LAYER  
FLUORO RESIN PARTICLE MIX WHITE CEMENT AVOID STAIN

NC - 001

OPD - 1990-03-15

ORD - 1991-11-26

PAW - (KAOS ) KAO CORP

TI - Bathroom tile joint filler with good adhesion - comprises watery dispersion of double-layer fluoro-resin particles mixed with white cement avoiding staining